

### ABSTRACT

Described are a method and system for determining a location of an unauthorized wireless access point ("AP") accessing a communication network. Upon notification of existence of the unauthorized AP, at least three authorized APs of the communication network initiate tracking a beacon of the unauthorized AP. A tracking data record is generated partially based on information obtained during the tracking of the tracking beacon. The tracking record may include a location of each of the authorized APs and at least one of (i) a first strength data corresponding to a strength of the tracking beacon as measured by each of the authorized APs and (ii) a first time data corresponding to a time period that it takes for the tracking beacon to arrive at each of the authorized APs. The location of the unauthorized AP is determined as a function of at least one of (i) the tracking record and (ii) a calibrating record. The calibrating record may include (a) at least one of a second strength data corresponding to a strength of a calibrating beacon as transmitted from a predetermined location within the communication network and received by each of the authorized APs and a second time data corresponding to a time period that it takes for the calibrating beacon to arrive from the predetermined location to each of the authorized AP, (b) the predetermined location and (c) the location of each of the authorized AP.